



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 26, 2019

Maureen Miksztal
Senior Regulatory Manager
Troy Technology II
c/o Troy Corporation
8 Vreeland Road
Florham Park, NJ 07932

Subject: Label Amendment – Add Sublabel F and other label changes
Product Name: Grotan
EPA Registration Number: 365-76
Application Date: August 21, 2019
Decision Number: 554770

Dear Ms. Miksztal:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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EPA Reg. No. 365-76
Decision No. 554770

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, you may contact Joseph Daniels at (703) 347-8669 or via email at Daniels.joseph@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Zeno Bain', is written over a faint, illegible background.

Zeno Bain, Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

GROTAN

Bactericide for the Preservation of Adhesives, Construction products-Cementitious and Polymeric Admixtures, Drilling Additives, Fuel Additives, Metal Cutting Fluids and Coolants, Joint Cements, Resin Emulsions and Pigment Dispersions for Non-Paint Use.

MASTER LABEL

Sub-label A: MWF Fluid, Material Preservative Use, Non-refillable containers > 1 gallon

Sub-label B: Drilling Additive Use, Non-refillable containers > 1 gallon

Sub-Label C: Fuel Additive Use, Non-refillable containers: 1 gallon and > 1 gallon

Sub-Label D: Bulk Container/Refillable Container Use

Sub-Label E: Non-refillable containers - 1gallon

Sub- Label F: Drilling and Fuel Additive -Non-refillable containers > 1 gallon and Bulk Container/Refillable Container Use

ACTIVE INGREDIENT:% Weight
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine.....78.5%
INERT INGREDIENTS 21.5%
TOTAL **100.0**

EPA Reg. No. 365-76
EPA Establishment Number 5383-xxxx

ACCEPTED

Sep 26, 2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 365-76

DANGER

SOLD FOR INDUSTRIAL USE

See Side Panel for Additional Precautionary Statements

KEEP OUT OF REACH OF CHILDREN

FIRST AID

IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice. . Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

**IN CASE OF EMERGENCY:
CALL 1-800-424-9300 (CHEMTREC)**

[MANUFACTURED FOR, Manufactured by, PRODUCED FOR, SOLD BY]

Troy Technology II
251 Little Falls Drive
Wilmington, DE 19808

**Net Weight:
MADE IN CANADA [USA]**

[NET CONTENTS SHOWN ELSEWHERE ON CONTAINER
[PRODUCT IS NOT REGULATED DURING TRANSPORTATION]

**GROTAN
SUB-LABEL A
METALWORKING FLUIDS/MATERIAL PRESERVATIVE USE**

GROTAN

Bactericide for the Preservation of Adhesives, Metal Cutting Fluids and Coolants, Construction products-Cementitious and Polymeric Admixtures, Joint Cements, Resin Emulsions and Pigment Dispersions for Non-Paint Use.

ACTIVE INGREDIENT:	% Weight
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine.....	78.5%
INERT INGREDIENTS	<u>21.5%</u>
TOTAL	100.0

EPA Reg. No.	365-76
EPA Establishment Number	5383-xxxx

DANGER

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[PRODUCT IS NOT REGULATED DURING TRANSPORTATION]

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. Causes irreversible eye damage. Do not get in eyes or on clothing. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

User Safety Recommendations

User should wash hands before, eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear:

- long-sleeved shirt,
- long pants,
- shoes and socks, and
- chemical-resistant gloves (such as any waterproof material, selection category A),
- goggles or face shield
- a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter

FIRST AID	
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	Call a poison control center or doctor Immediately for treatment advice. . Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

SOLUBLE EMULSION, SYNTHETIC AND SEMI-SYNTHETIC CUTTING FLUIDS AND COOLANTS

GROTAN should be used at a dilution of 0.15%.

For best results, drain and clean the system before adding fresh cutting fluid. Add 0.15% of GROTAN to the use dilution (1.2 pints per 100 gallons of diluted cutting fluid). 0.15% of GROTAN should be added to the use dilution of the make-up fluid. To inhibit the growth of bacteria in metalworking, cutting fluids, cooling, and lubricating fluids add GROTAN to the metalworking concentrate that will result in a 0.15% concentration. For example, add 3% GROTAN to a metalworking fluid concentrate that will be diluted to 5% in water for use.

For all other uses (Adhesives, Construction products-cementitious and polymeric admixtures, joint cements, pigment dispersions, asphalt emulsions and resin emulsions for non-residential use) use levels from 0.1-0.3% based on the total weight of the formulation. Grotan should be added to the latter phase of the manufacturing process. It

should not be exposed to temperatures exceeding 125°F (52 °C) for prolonged periods of time. Further it is not suitable for systems with a pH below 7. Grotan may also be used to control microbial growth at the air-water interface of paint manufacturing raw material storage tanks. A 1.0% aqueous solution of Grotan may be sprayed over the surface. Care should be taken to avoid removal of this interface in paint production. NOTE: May cause discoloration. Color stability in systems should be checked before use.

SUPPLEMENTAL DOSING: Depending on the nature/severity of the contamination, if analysis indicates a loss of active ingredient(s) and further microbial control is necessary, product may be dosed with additional microbiocide at a level to ensure that the final use-dilution product will not exceed the maximum concentration indicated.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**GROTAN
SUB-LABEL B
DRILLING ADDITIVE USE**

GROTAN

Bactericide for Drilling Additives

ACTIVE INGREDIENT:	% Weight
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine.....	78.5%
INERT INGREDIENTS	<u>21.5%</u>
TOTAL	100.0

EPA Reg. No.	365-76
EPA Establishment Number	5383-xxxx

DANGER

SOLD FOR INDUSTRIAL USE

See Side Panel for Additional Precautionary Statements

KEEP OUT OF REACH OF CHILDREN

**IN CASE OF EMERGENCY:
CALL 1-800-424-9300 (CHEMTREC)**

[MANUFACTURED FOR, Manufactured by, PRODUCED FOR, SOLD BY]

Troy Technology II
251 Little Falls Drive
Wilmington, DE 19808

Net Weight:

MADE IN CANADA [USA]

[NET CONTENTS SHOWN ELSEWHERE ON CONTAINER
[PRODUCT IS NOT REGULATED DURING TRANSPORTATION]]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. Causes irreversible eye damage. Do not get in eyes or on clothing. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

User Safety Recommendations

User should wash hands before, eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear:

- long-sleeved shirt,
- long pants,
- shoes and socks, and
- chemical-resistant gloves (such as any waterproof material, selection category A),
- goggles or face shield
- a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV cartridge or canister with any N, R, P, or HE prefilter

FIRST AID	
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Oilfield Systems

For controlling aerobic slime-forming bacteria (*Pseudomonas sp.*) or iron-oxidizing bacteria (*Gallionella sp.*) and anaerobic sulfate-reducing bacteria (*Desulfovibrio desulfuricans*) in oilfield water systems, such as subsurface injection water, add 5-150 ppm Grotan depending on the severity of the contamination. Additions should be made with a metering pump at the free water knockouts before or after the injection pumps and injection well headers.

Continuous-feed method: If this system is noticeably fouled, add 20-150 ppm Grotan (1.7-12.8 gal per 2000 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 5-150 ppm Grotan (0.43-12.8 gal. per 2000 barrels of water) continuously as needed for control.

Intermittent or slug method: If the system is noticeably fouled or to maintain control of the system, add 20-150 ppm Grotan (1.7-12.8 gal. per 2000 barrels of water) intermittently for 2-8 hours per day on from 1-4 days per week, depending on the severity of the contamination.

Preservation of Drilling Muds and Workover and Completion Fluids and Secondary Recovery Fluids*

Determine the volume of Grotan necessary to provide a concentration of 500-1000 ppm by weight of Grotan in the drilling mud system, workover and completion fluid. For example, 21-42 gallons of Grotan per each 1000 barrels of drilling mud provides this concentration. As the system circulates, add Grotan in a thin stream. Add additional Grotan to the system to maintain the proper concentration as the total volume of the system increases.

For hydraulic fracturing fluids* and enhanced recovery* add 0.01%-0.15% of this product (0.6 ounce/barrel – 6 ounces/barrel) in the final fluid

NOTE: May cause discoloration. Color stability in systems should be checked before use.

[*Not approved for use in the State of California]

SUPPLEMENTAL DOSING: Depending on the nature/severity of the contamination, if analysis indicates a loss of active ingredient(s) and further microbial control is necessary, product may be dosed with additional microbiocide at a level to ensure that the final use-dilution product will not exceed the maximum concentration indicated.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**GROTAN
SUB-LABEL C
FUEL ADDITIVE USE**

GROTAN

Bactericide for Fuel Additives

ACTIVE INGREDIENT:	% Weight
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine.....	78.5%
INERT INGREDIENTS	<u>21.5%</u>
TOTAL	100.0

EPA Reg. No.	365-76
EPA Establishment Number	5383-xxxx

DANGER
SOLD FOR INDUSTRIAL USE

See Side Panel for Additional Precautionary Statements

KEEP OUT OF REACH OF CHILDREN

IN CASE OF EMERGENCY:
CALL 1-800-424-9300 (CHEMTREC)
[MANUFACTURED FOR, Manufactured by, PRODUCED FOR, SOLD BY]

Troy Technology II
251 Little Falls Drive
Wilmington, DE 19808

Net Weight:
MADE IN CANADA [USA]
[NET CONTENTS SHOWN ELSEWHERE ON CONTAINER
[PRODUCT IS NOT REGULATED DURING TRANSPORTATION]]

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER

CORROSIVE. Causes irreversible eye damage. Do not get in eyes or on clothing. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

User Safety Recommendations

User should wash hands before, eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear:

- long-sleeved shirt,
- long pants,
- shoes and socks, and
- chemical-resistant gloves (such as any waterproof material, selection category A),
- goggles or face shield
- a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV cartridge or canister with any N, R, P, or HE prefilter

FIRST AID	
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

BACTERIAL CONTROL ASSOCIATED WITH FREE AND DISPERSED WATER COMMONLY FOUND IN FUEL SYSTEMS:

Add this product to fuel tanks to control microbial growth in diesel oil, fuel oil, gasoline or kerosene fuel systems. Treatment may be achieved by slug dosing or intermittent metering to provide the proper concentration of this product.

If the volume of water is known, add 0.5-1.5 gallons of this product to each 1,000 gallons of water to achieve concentrations of 500-1000 ppm in the water phase. If the volume of water is unknown add 20 ounces-1 gallon of this product to each 1000 gallons of fuel to achieve concentrations ranging between 150-1000 ppm.

Concentrations of 150-500 ppm of Grotan are appropriate for preventive treatment.

Concentrations of 1000-1500 ppm are appropriate for curative treatment. Since microbes tend to grow within biofilm communities, two or more curative treatments introduced at one-two day intervals may be required to treat heavily contaminated fuel tanks successfully. Since this product is not particularly hydrocarbon soluble there is no

adverse effect if some excess accumulates in tank bottoms. It will function as a corrosion inhibitor at higher concentrations.

SUPPLEMENTAL DOSING: Depending on the nature/severity of the contamination, if analysis indicates a loss of active ingredient(s) and further microbial control is necessary, product may be dosed with additional microbiocide at a level to ensure that the final use-dilution product will not exceed the maximum concentration indicated.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

[>1 gallon container]

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

[1 gallon container]

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**GROTAN
SUB-LABEL D
METALWORKING FLUIDS/MATERIAL PRESERVATIVE USE
Bulk/Refillable Container Use
(40-45,000 lb. Semi-containers)**

GROTAN

A Bactericide for the Preservation of Adhesives, Construction products-Cementitious and Polymeric Admixtures, Metal Cutting Fluids and Coolants, Joint Cements, Resin Emulsions and Pigment Dispersions for Non-Paint Use.

ACTIVE INGREDIENT:	% Weight
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine.....	78.5%
INERT INGREDIENTS	<u>21.5%</u>
TOTAL	100.0

EPA Reg. No.	365-76
EPA Establishment Number	5383-xxxx

DANGER

SOLD FOR INDUSTRIAL USE

See Side Panel for Additional Precautionary Statements

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[MANUFACTURED FOR, Manufactured by, PRODUCED FOR, SOLD BY]

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Wilmington, DE 19808

Net Weight:

MADE IN CANADA [USA]

[NET CONTENTS SHOWN ELSEWHERE ON CONTAINER
[PRODUCT IS NOT REGULATED DURING TRANSPORTATION]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

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User should wash hands before, eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear:

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- chemical-resistant gloves (such as any waterproof material, selection category A),
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- a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV cartridge or canister with any N, R, P, or HE prefilter

FIRST AID	
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Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

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DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

SOLUBLE EMULSION, SYNTHETIC AND SEMI-SYNTHETIC CUTTING FLUIDS AND COOLANTS

GROTAN should be used at a dilution of 0.15%.

For best results, drain and clean the system before adding fresh cutting fluid. Add 0.15% of GROTAN to the use dilution (1.2 pints per 100 gallons of diluted cutting fluid). 0.15% of GROTAN should be added to the use dilution of the make-up fluid. To inhibit the growth of bacteria in metalworking, cutting fluids, cooling, and lubricating fluids add GROTAN to the metalworking concentrate that will result in a 0.15% concentration. For example, add 3% GROTAN to a metalworking fluid concentrate that will be diluted to 5% in water for use.

For all other uses (Adhesives, Construction products-cementitious and polymeric admixtures, joint cements, pigment dispersions, asphalt emulsions and resin emulsions for non-residential use) use levels from 0.1-0.3% based on the total weight of the formulation. Grotan should be added to the latter phase of the manufacturing process. It should not be exposed to temperatures exceeding 125°F (52 °C) for prolonged periods

of time. Further it is not suitable for systems with a pH below 7. Grotan may also be used to control microbial growth at the air-water interface of paint manufacturing raw material storage tanks. A 1.0% aqueous solution of Grotan may be sprayed over the surface. Care should be taken to avoid removal of this interface in paint production. NOTE: May cause discoloration. Color stability in systems should be checked before use.

SUPPLEMENTAL DOSING: Depending on the nature/severity of the contamination, if analysis indicates a loss of active ingredient(s) and further microbial control is necessary, product may be dosed with additional microbiocide at a level to ensure that the final use-dilution product will not exceed the maximum concentration indicated.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

[NOTE TO REVIEWER: Container handling instructions are not required for transport vehicles by 40CFR 156.140(e) and 156.144(g)]

CONTAINER HANDLING: [For the end users bulk tanks:] Refillable container. Refill with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Use standard industry practices for cleaning bulk containers or contact the registrant (Troy) for more information)

**GROTAN
SUB-LABEL E
METALWORKING FLUIDS/MATERIAL PRESERVATIVE USE
Non-Refillable 1 gallon Container Use**

GROTAN

A Bactericide for the Preservation of Adhesives, Construction products-Cementitious and Polymeric Admixtures, Metal Cutting Fluids and Coolants, Joint Cements, Resin Emulsions and Pigment Dispersions for Non-Paint Use.

ACTIVE INGREDIENT:	% Weight
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine.....	78.5%
INERT INGREDIENTS	<u>21.5%</u>
TOTAL	100.0

EPA Reg. No.	365-76
EPA Establishment Number	5383-xxxx

DANGER

SOLD FOR INDUSTRIAL USE

See Side Panel for Additional Precautionary Statements

KEEP OUT OF REACH OF CHILDREN

IN CASE OF EMERGENCY:

CALL 1-800-424-9300 (CHEMTREC)

[MANUFACTURED FOR, Manufactured by, PRODUCED FOR, SOLD BY]

Troy Technology II
251 Little Falls Drive
Wilmington, DE 19808

Net Weight:

MADE IN CANADA [USA]

[NET CONTENTS SHOWN ELSEWHERE ON CONTAINER
[PRODUCT IS NOT REGULATED DURING TRANSPORTATION]]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. Causes irreversible eye damage. Do not get in eyes or on clothing. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

User Safety Recommendations

User should wash hands before, eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear:

- long-sleeved shirt,
- long pants,
- shoes and socks, and
- chemical-resistant gloves (such as any waterproof material, selection category A),
- goggles or face shield
- a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV cartridge or canister with any N, R, P, or HE prefilter

FIRST AID	
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

SOLUBLE EMULSION, SYNTHETIC AND SEMI-SYNTHETIC CUTTING FLUIDS AND COOLANTS

GROTAN should be used at a dilution of 0.15%.

For best results, drain and clean the system before adding fresh cutting fluid. Add 0.15% of GROTAN to the use dilution (1.2 pints per 100 gallons of diluted cutting fluid). 0.15% of GROTAN should be added to the use dilution of the make-up fluid. To inhibit the growth of bacteria in metalworking, cutting fluids, cooling, and lubricating fluids add GROTAN to the metalworking concentrate that will result in a 0.15% concentration. For example, add 3% GROTAN to a metalworking fluid concentrate that will be diluted to 5% in water for use.

For all other uses (Adhesives, Construction products-cementitious and polymeric admixtures, joint cements, pigment dispersions, asphalt emulsions and resin emulsions for non-residential use) use levels from 0.1-0.3% based on the total weight of the formulation. Grotan should be added to the latter phase of the manufacturing process. It should not be exposed to temperatures exceeding 125°F (52 °C) for prolonged periods

of time. Further it is not suitable for systems with a pH below 7. Grotan may also be used to control microbial growth at the air-water interface of paint manufacturing raw material storage tanks. A 1.0% aqueous solution of Grotan may be sprayed over the surface. Care should be taken to avoid removal of this interface in paint production. NOTE: May cause discoloration. Color stability in systems should be checked before use.

SUPPLEMENTAL DOSING: Depending on the nature/severity of the contamination, if analysis indicates a loss of active ingredient(s) and further microbial control is necessary, product may be dosed with additional microbiocide at a level to ensure that the final use-dilution product will not exceed the maximum concentration indicated.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**GROTAN
SUB-LABEL F**

Drilling and Fluid Additive Use

Non-refillable containers: 1 gallon and > 1 gallon

Bulk Container/Refillable Container Use

GROTAN

Bactericide for use in Drilling Additives and Fuel Additives

ACTIVE INGREDIENT:	% Weight
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine.....	78.5%
INERT INGREDIENTS	<u>21.5%</u>
TOTAL	100.0

EPA Reg. No.	365-76
EPA Establishment Number	5383-xxxx

DANGER
SOLD FOR INDUSTRIAL USE

See Side Panel for Additional Precautionary Statements

KEEP OUT OF REACH OF CHILDREN

IN CASE OF EMERGENCY:
CALL 1-800-424-9300 (CHEMTREC)

[MANUFACTURED FOR, Manufactured by, PRODUCED FOR, SOLD BY]

Troy Technology II
251 Little Falls Drive
Wilmington, DE 19808

Net Weight:
MADE IN CANADA [USA]

[NET CONTENTS SHOWN ELSEWHERE ON CONTAINER
[PRODUCT IS NOT REGULATED DURING TRANSPORTATION]

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER

CORROSIVE. Causes irreversible eye damage. Do not get in eyes or on clothing. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

User Safety Recommendations

User should wash hands before, eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear:

- long-sleeved shirt,
- long pants,
- shoes and socks, and
- chemical-resistant gloves (such as any waterproof material, selection category A),
- goggles or face shield
- a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV cartridge or canister with any N, R, P, or HE prefilter

FIRST AID	
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Oilfield Systems

For controlling aerobic slime-forming bacteria (*Pseudomonas sp.*) or iron-oxidizing bacteria (*Gallionella sp.*) and anaerobic sulfate-reducing bacteria (*Desulfovibrio desulfuricans*) in oilfield water systems, such as subsurface injection water, add 5-150 ppm Grotan depending on the severity of the contamination. Additions should be made with a metering pump at the free water knockouts before or after the injection pumps and injection well headers.

Continuous-feed method: If this system is noticeably fouled, add 20-150 ppm Grotan (1.7-12.8 gal per 2000 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 5-150 ppm Grotan (0.43-12.8 gal. per 2000 barrels of water) continuously as needed for control.

Intermittent or slug method: If the system is noticeably fouled or to maintain control of the system, add 20-150 ppm Grotan (1.7-12.8 gal. per 2000 barrels of water) intermittently for 2-8 hours per day on from 1-4 days per week, depending on the severity of the contamination.

Preservation of Drilling Muds and Workover and Completion and Secondary Recovery Fluids*

Determine the volume of Grotan necessary to provide a concentration of 500-1000 ppm by weight of Grotan in the drilling mud system, workover and completion fluid. For example, 21-42 gallons of Grotan per each 1000 barrels of drilling mud provides this concentration. As the system circulates, add Grotan in a thin stream. Add additional Grotan to the system to maintain the proper concentration as the total volume of the system increases.

For hydraulic fracturing fluids* and enhanced recovery* add 0.01%-0.15% of this product (0.6 ounce/barrel – 6 ounces/barrel) in the final fluid.

NOTE: May cause discoloration. Color stability in systems should be checked before use.

[*Not approved for use in the State of California]

BACTERIAL CONTROL ASSOCIATED WITH FREE AND DISPERSED WATER COMMONLY FOUND IN FUEL SYSTEMS:

Add this product to fuel tanks to control microbial growth in diesel oil, fuel oil, gasoline or kerosene fuel systems. Treatment may be achieved by slug dosing or intermittent metering to provide the proper concentration of this product.

If the volume of water is known, add 0.5-1.5 gallons of this product to each 1,000 gallons of water to achieve concentrations of 500-1000 ppm in the water phase. If the volume of water is unknown add 20 ounces-1 gallon of this product to each 1000 gallons of fuel to achieve concentrations ranging between 150-1000 ppm.

Concentrations of 150-500 ppm of Grotan are appropriate for preventive treatment.

Concentrations of 1000-1500 ppm are appropriate for curative treatment. Since microbes tend to grow within biofilm communities, two or more curative treatments introduced at one-two day intervals may be required to treat heavily contaminated fuel tanks successfully. Since this product is not particularly hydrocarbon soluble there is no adverse effect if some excess accumulates in tank bottoms. It will function as a corrosion inhibitor at higher concentrations.

SUPPLEMENTAL DOSING: Depending on the nature/severity of the contamination, if analysis indicates a loss of active ingredient(s) and further microbial control is necessary, product may be dosed with additional microbiocide at a level to ensure that the final use-dilution product will not exceed the maximum concentration indicated.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

[>1 gallon container]

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

[1 gallon container]

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

[For the end users bulk tanks:]

Refillable container. Refill with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Use standard industry practices for cleaning bulk containers or contact the registrant (Troy) for more information)

[NOTE TO REVIEWER: Container handling instructions are not required for transport vehicles by 40CFR 156.140(e) and 156.144(g)]